Receipt date: 05/25/2006

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s)

Ahmed, et al.

Examiner:

Unassigned

Serial No.:

10/573,056

Group Art Unit:

Unassigned

Confirmation No:

Unassigned

Docket:

1038-17 PCT/US

Filed:

March 22, 2006

Dated:

May 22, 2006

For:

METHOD AND APPARATUS FOR THE SEPARATION OF FLUORESCENCE

AND ELASTIC SCATTERING PRODUCED BY BROADBAND

ILLUMINATION USING

POLARIZATION DISCRIMINATION

TECHNIQUES

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 I hereby certify this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope, addressed to:

Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In order to fulfill the requirements of candor and good faith set forth in 37 C.F.R.

§1.56, Applicants submit herewith the following Information Disclosure Statement in accordance with the provisions of 37 C.F.R. §1.97 and §1.98.

NON-PATENT PUBLICATIONS

- 1. Fuchs, "Separating the Fluorescence and Reflectance Components of Coral Spectra," Applied Optics, Vol. 40, No. 21, pp. 3614-3621 (July 20, 2001).
- 2. Cunningham, et al., "Brewster-angle Measurements of Sea-surface Reflectance Using a High Resolution Spectroradiometer," J. Opt. A. Pure Appl. Opt. 4, S29-S33 (2002).

Receipt date: 05/25/2006 10573056 - GAU: 2877

3. S.P. Schilders, et al., "Effect of Scatterer Size on Microscopic Imaging Through Turbid Media Based on Differential Polarisation-Gating," Optics Communications 157, pp. 238-248 (1998).

- 4. J.M. Schmitt, et al., "Use of Polarized Light to Discriminate Short-Path Photons in a Multiply Scattering Medium," Applied Optics, Vol. 31, No. 30, pp. 6535-6546 (October 20, 1992).
- 5. S.G. Demos, et al., "Temporal Gating in Highly Scattering Media by the Degree of Optical Polarization," Optics Letters, Vol. 21, No. 2, pp. 161-163 (January 15, 1996).
- 6. Stephen P. Morgan, et al., "Effects of Polarization State and Scatterer Concentration on Optical Imaging Through Scattering Media," Applied Optics, Vol. 36, No. 7, pp. 1560-1565 (March 1, 1997).
- 7. J.F.R. Gower, et al., "Interpretation of the 685 nm Peak in Water-Leaving Radiance Spectra in Terms of Fluorescence, Absorption and Scattering, and its Observation by MERIS," Int. J. Remote Sensing, Vol. 20, No. 9, pp. 1771-1786 (1999).
- 8. A.A. Gitelson, et al., "Remote Estimation of Chlorophyll Concentration in Productive Waters: Principals, Algorithm Development and Validation," Proc. of NWQMC, 149 (2000).

The above-referenced documents are listed on Form PTO-1449. We have enclosed the cited documents to facilitate reference to them.

Applicants are not aware of any other references to be identified at this time. If the Examiner has any questions or comments relating to the present application, he or she is respectfully invited to contact Applicants' attorney at the telephone number set forth below.

Respectfully submitted,

Betsy Kingsbury Dowd / Registration No.: 52,830

Attorney for Applicants

HOFFMANN & BARON, LLP 6900 Jericho Turnpike Syosset, New York 11791 (516) 822-3550

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Sheet $\underline{1}$ of $\underline{3}$

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (BYP 32) PATENT AND TRADEMARK OFFICE					ATTY. DOCKET NO. 1038-17 PCT/US			SERIAL NO. 10/573,056			
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.

Sheet $\underline{2}$ of $\underline{3}$

FORM PEO-1449 U.S. DEPARTMENT OF COMMERCE ON. 292) PATENT AND TRADEMARK OFFICE					ATTY. DOCKET NO. 1038-17 PCT/US			SERIAL NO. 10/573,056		
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/Layla G. Lauchman/

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12/21/2008

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